

U.S. Department Of Agriculture
Natural Resources Conservation Service
Nevada

**Operation and Maintenance Plan
Grade Stabilization Structure (410)**

Landowner/Operator: _____
Project: _____
Location: _____ Sec. _____ T. _____ R. _____
NRCS Office: _____ Phone: _____

A properly operated and maintained water control structure is an asset to your property. The estimated life span of the installation is at least 20 years and can be assured and usually increased by carrying out the following recommendations.

OPERATION AND MAINTENANCE CHECKLIST

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- Determine and eliminate causes of settlement or cracks in the earthen sections and repair damage.
- Periodically inspect spillways and control gates, valves and weirs for proper functioning and their ability to maintain the water level to design elevations. Remove debris or flow blockages.
- Repair major spalls, cracks, and weathered surfaces in concrete surfaces.
- Repair and replace rusted or damaged metal.
- Inspect the riprap at least once a year and after every major flow. Replace or adjust rock that has been washed out or moved.
- Check for unusual seepage on the backside of dam earthfills. Check for water flowing underneath pipes through earth fills, water flowing in the inlet but not out the outlet, and for water flowing out the outlet but not in the inlet. Make sure all structure drains are functional and soil is not being transported through the drainage system. Screens and/or rodent guards must be maintained and in place.
- Avoid operating heavy equipment near the structure.
- Eradicate or otherwise remove rodents or burrowing animals. Immediately repair any damage caused by their activity.
- Maintain a vigorous growth of vegetation. This includes reseeding, fertilization, and application of herbicides when necessary. Periodic mowing or short term grazing may also be needed to control height.
- Maintain fences to prevent unauthorized human or livestock entry.

Other _____

